KRISHNASAMY
College of
ENGINEERING & TECHNOLOGY
Approved by AICTE & Affiliated to Anna University
Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109, Tamil Nadu.
(04142) 285 601 - 604 www.kcet.in info@kcet.in

Requisition letter

27.12.2023

From

The Head of the Department/Electrical and Electronics Engineering,
Krishnasamy College of Engineering & Technology,
Cuddalore.

To

The Principal,
Krishnasamy College of Engineering & Technology,
Cuddalore.

Respected Sir

Sub.: Requisition to conduct Value Added Course Reg.

The Department of Electrical and Electronics Engineering has planned to conduct the following Value Added Course for the academic year 2023-2024 Even semester.These courses are provided to the students considering its importance in electrical industry sectors.The classes will be conducted from 11.01.2024 to 20.01.2024 here with the syllabus and the course plan are attached for your kind reference.

S.NO	Course Code	Name of the Course	Year/Sem	No.of periods	Course Coordinator
1	EE-VAC2301	FLEXIBLE AC TRANSMISSION SYSTEMS	IV/VII	30	Dr.D.Periyaazhagar ASP/EEE
2	EE-VAC2302	RENEWABLE ENERGY SYSTEMS	III/VI	30	Mr.R.Srinivasan ASP/EEE

Kindly grant permission for conducting the above mentioned value added course.
Thanking you

Yours Sincerely

HOD/EEE 29/12/23

27/12/23
Vice Principal

27/12/23
Principal

KRISHNASAMY COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

VALUE ADDED COURSE

ON

VAC18011 FLEXIBLE AC TRANSMISSION SYSTEMS

CIRCULAR **11.01.2024**

It is planned to conduct a value added course for IV year Electrical and Electronics Engineering students on the subject **VAC2301-Flexible AC Transmission Systems**. Each module is scheduled from **11.01.2024 to 20.01.2024.** The course plan, test procedure, attendance are followed as per regulation 2017. It is highly advised that the students should attend all the sessions and get benefited of the course.

The syllabus for the same has been formulated and will be circulated to students. The eminent staff from our department is invited to give lectures on topics from syllabus.

HOD 11/1/24.

18/1/24

VICE PRINCIPAL

19/1/24

PRINCIPAL

KRISHNASAMY COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

VALUE ADDED COURSE

Year/Sem: IV/VII **Academic Year:2023-2024**

VAC18011-Flexible AC Transmission Systems

DATE & DAY	TOPIC	STAFF
11.01.24 THURSDAY MODULE-1	Voltage control by SVC	Er.K.Udhayakumar
	Advantages of slope in dynamic characteristics	
	Influence of SVC on system voltage	
	BREAK	
	Design of SVC voltage regulator	
	Applications:Enhancement of transient stability	
	Augumentation of power system damping	
12.01.24 FRIDAY MODULE-2	Real power control	Er.N.Purushothaman
	Reactive power control	
	Load Compensation	
	BREAK	
	System Compensation	
	Uncompensated transmission line	
	Group Discussion or Seminar	
18.01.24 THURSDAY MODULE-3	Operation and Characterstics of the TCSC	Dr.D.Periyaazhagar
	Different modes of operation TCSC	
	Modeling of TCSC System	
	BREAK	
	Applications: Improvement of the system stability limit	
	Enhancement of system damping	
	Surprise test	
19.01.24 FRIDAY MODULE-4	Static Synchronous Compensator (STATCOM)	Er.E.Rajasekaran
	Principles of operation	
	V-I Characteristics	
	BREAK	
	SSSC-principle of operation	
	control system applications	
	Quiz	
20.01.24 SATURDAY MODULE-5	Unified Power Flow controller (UPFC)	Er.D.Geetha
	Principle of operation & Applications of UPFC	
	Unified Power Quality Conditioner(UPQC)	
	BREAK	
	Configuration of UPQC system	
	Right shunt and Left shunt types of UPQC characteristics	
	Structure and control of right shunt and left UPQC	

HOD 11/1/24 VICE PRINCIPAL 18/1/24 PRINCIPAL 19/1/24